

						=		I- i-mont	Order	Due	Received	Accounting Job No			Date	Price/Unit	-	Due
2 No	Supplier	Line Ri		1	Description	-	Project	ID	Qty	Date 3 6/15/2018	Quantity	305110	S081851	Stock	6/18/2018	\$ 68.00 / 11	0	
	MCM001- VU	INO	1 2% 10 Net 30		Delrin Round Bar, White R3.500""							6	S081852	Stock	6/18/2018	\$ 9.16 / 11	-	
		2	-	MT-BRASS-C360- R0.500	Brass C360 Round Bar 0.500"					6								1
								Tota	al:	9		9				8/2018 11:17 /		



Packing List

200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com

Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada

Purchase Order PO040154

Order Placed By Chantal Lavoie Page 1 of 1 06/11/2018

McMaster-Carr Number 4799296-01

Lin	e	Product	Ordered	Shipped
1	8572K35	White Delrin Acetal Resin Rod, 3-1/2" Diameter, 3' Length	3 Feet	(3)
2	2572T38	Ultra-Machinable 360 Brass Rod with Certification, 1/2" Diameter, 6 Feet l	Long AT 1 Each	1

Expected	to	ship	
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3 2572T77 Ultra-Machinable 360 Brass Rod with Certification, 2-1/2" Diameter, 6 Feet Long

1 1 Jul 2-9 Each



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

Tel (613) 632-5200

# PURCHASE ORDER PO040154

Supplier:

MCM001-VU

McMaster-Carr Supply Co,

P.O. Box 7690

Chicago, IL 60680-7690 USA

Phone: 330 995 5500 Fax: 330 995 9600 Purchase Order Revision:

PO No:

PO Date:

**Due Date:** 

**Revision Date:** 

Ship-To Contact:

contact: Lavoie, ChantalPhone:

PO040154

6/11/18

7/11/18

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

2% 10 Net 30

Freight Terms: Special Comments:

Lina	_		T		tems						
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extende Price
1	Adjust Assessment	MDELRINR3.500W	8572K35	Delrin Round Bar, White R3.500"	Firmed	6/15/18	3 ft	3.5.7 th	3 ft	\$68.00/ft A/19/6	\$204.00
2	To be a second of the second o	MT-BRASS-C360- R0.500	2572T38 6 FT	Brass C360 Round Bar 0.500"	Firmed	6/15/18	6 ft	6.ff	6 ft	\$9.158333/ft AC 1844	
3	1	MT-BRASS-C360- R2.500	2572T77 6FT	Brass C360 Round Bar 2.500"	Firmed	7/22/18	6 ft	O ft	6 ft	\$117.94166/ft	\$707.65
4		91030A445	1/pk	Flange Nut receive ea	Firmed	6/15/18	10 Ea	0 Ea	10 Ea	\$3.51/Ea	\$35.10
5	- Land	92620A563	100/pk	Screw receive ea	Firmed	6/15/18	100 Ea	0 Ea	100 Ea	\$0.1269/Ea	\$12,69
6		98381A508	50/pk	Dowel Pin 3/16" X 3/4" (Mcmaster)	Firmed	6/15/18	50 Ea	0 Ea	50 Ea	\$0.156/Ea	\$7.80
7		RBE350A91-2381- 01-13	5051K271 10 ft	Felt Pad w/ Adhesive Back	Firmed	6/15/18	10 ft	O ft	10 ft	\$7.75/ft	\$77.50
8		RBE350A91-2381-		Folding Pull Handles	Firmed	6/15/18	8 Ea	0 Ea	8 Ea	\$7.20/Ea	\$57.60

 				lt	ems						
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date		Received Quantity		Unit Price (USD)	Extende
10		MBRONZR2,250	8932K54 .54" per lenght	Bronze Round Bar 2.250" : MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR AS PER SAE 841 TYPE 1, CLASS A OR AMS 4805 OR ASTM B438 GRADE 1, TYPE 2 OR MIL-B-5687D TYPE 1, GRADE 1 receive ft	Firmed	6/15/18	2.16 ft	O ft	2 ft	\$195.29629/ft	

**Order Notes** 

**Procurement Quality Clauses** 

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/18/18 10:40 AM dart.lavoie.chantal



#### MUELLER BRASS CO.

LOCATIONS:

2199 LAPEER AVENUE PORT HURON, MICHIGAN 48060 Control No: 1048924

302 ASHFIELD STREET BELDING, MICHIGAN 48809

### CERTIFIED TEST REPORT

Sold: 00061711

To: COPPER & BRASS SALES

ATTN ACCOUNTS PAYABLE

P O BOX #5116

SOUTHFIELD, MI 48086-5116

Ship: 00059225

To: COPPER & BRASS SALES-

8001 THYSSENKRUPP PARKWAY

NORTHWOOD, OH 43619

Cust PO: 5400402994

Cust Part: CURD00895

Type/Size: ROD RND 0.5000

Cust Spec: ASTM B16/16M-10

MBCo SO: 486911

Ln 130

Cert LvI: 2

Part Nbr: 3600047 FC

Qty Shpd: 10,693

UM: Lbs

BOL: 50702754 Shpd: 06/03/18

	IV	lechar	nical Properties		
1703852	Temp r	: H02	0 1/2 H	CDA	Alloy: C36000
( )	Tensile Strength (	)	Elongation % in 2	Inches	Hardness
	1703852	1703852 Temp r	1703852 Temp r: H02	/	1703852 Temp r: H020 1/2 H CDA

			Chemical	Analysis	(%)		
	Cu	Dh	F-	-			
107117	Cu	Pb	Fe	Zn			
ASTM B16/16M-10	60.0-63.0	2.5-3.0	0.35 Max	REM			
Lot Number: 1703852	61.3	2.6	0.17	REM.			

TOTAL OTHER ELEMENT MAX: .50

We hereby certify to the chemical and mechanical properties reported herewith and to the fact that they were determined in conformance with the specification noted above or any exceptions to this specification we have granted. We also hereby certify that the material furnished on this order is free from mercury contamination and that no mercury bearing equipment was used in the manufacture of these items.

Melted and Manufactured in USA

Conflict Minerals Compliant

Produced in Compliance with: EN10204 3.1 EU Directives: 2011/65/EU (RoHS 2 Compliant) 2000/53/EC By: \_\_\_\_

06/03/18

James Tremp Metallurgist

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MDE	LRINK	3500W	PO / BATCH NO.:	10040154 S08 PSS
MATERIAL CERT REC'D: Yes  QUANTITY RECEIVED: 35+  QUANTITY INSPECTED: 35+  QUANTITY REJECTED: 5			THICKNESS ORDERED: THICKNESS RECEIVED. SHEET SIZE ORDERED: SHEET SIZE RECEIVED:	
DESCRIPTION	NCR (Check Y/N)		COMMENTS	
SURFACE DAMAGE	YI			
CORRECT FINISH	W N			
CORROSION	YN			
CORRECT GRAIN DIRECTION	Ø N			
ORRECT MATERIAL PER M-DRAWING	N			
CORRECT THICKNESS	N			
PHOTO REQUIRED	A 613			
CORRECT REF # TO LINK CERT	N	10040134		
DRRECT MATERIAL IDENTFICATION				
CORRECT M# ON THE MATERIAL	N			

CUT SAMPLE PIECE OF	MATERIAL A	ND PREFOR	M A HARDNE	SS CHECK.			
R	RECORD RES	SULTS BELOV	Ν				
	HRC	HRB	DUR A	DUR D	WEBSTER		
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER READING							

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: 47 9	SIGNED OFF BY:
DATE: 18/04/18	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN EXTRUSION REPORT SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL

PART NUMBER:

M-DELRIN-R D. DDD X COLOR B CODE

WHERE D.DDD = DIAMETER IN INCHES B X = COLOR CODE, "V" = WHITE, OMITTED = BLACK

EG. 1" BLACK ROUND BAR = M-DELRIN-R1.000 2" WHITE ROUND BAR = M-DELRIN-R2.000W

SCALE REV. B SHEET 1 OF 1 17.10.19 01.11.12 DATE DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
R
M-DELRIN-R
SHEE COPYRIGHT & 2001 BY DARF ALROSPACE LINE

COPYRIGHT & 2001 BY DARF ALROSPACE LINE

COPYRIGHT & 2001 BY DARF ALROSPACE LINE

COPYRIGHT & 2001 BY DARF ALROSPACE

COPYRIGHT & 200 SAD OS SAD DART AEROSPAC
SAD HAWKESBURY, ONTARIO, G.
RR M-DELRIN-R
HS TITLE
CP 47 DELRIN ROUND BAR B MATERIAL COLOR "WHITE". ADD REASON CIR. 110. ADD "ACETRON GP ACETAL" AS OPTION (REV. A1). DATE 17.10.19 NEW ISSUE MFG. APPR. APPROVED REV.
DESIGN
DRAWN
CHECKED **GEVORAGA** 

Charles Colonial Colo

2018 MAR 27 40 EN 18-657

10

0

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0

O

### MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT- DATE: 18/0	BRA	55-	C360-	-Ro.5	00	PO/BATCH	NO.: <u>POOU</u>	0154/508185			
D/112	0/ 1				1						
MATERIAL CERT REC'D:					THI	CKNESS ORDE	RED: 0 5"				
QUANTITY RECEIVED: 61+				-		CKNESS RECEI	- 44				
QUANTITY INSPECTED: 601	_			_							
AV.						ET SIZE ORDE					
QUANTITY REJECTED:				_	SHE	ET SIZE RECEI	VED:				
	N	CR									
DESCRIPTION		eck (N)	COMMENTS								
SURFACE DAMAGE	Y	W									
CORRECT FINISH	(4)	N									
CORROSION	X	0									
CORRECT GRAIN DIRECTION	(V)	N									
CORRECT THICKNESS	333	N	-		-						
CORRECT THICKNESS PHOTO REQUIRED	Y	N									
CORRECT REF # TO LINK CERT	(Y)	N	10040	154							
CORRECT MATERIAL IDENTFICATION		N	(00 (0	-							
CORRECT M# ON THE MATERIAL	(0)	N									
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)									
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(1)									
							·				
CUT SAMPLE PIECE							SS CHECK.				
			ORD RE			7	DUDD	LWEDOTED			
TYPE OF MATERIAL			HRC	1	HRB	DUR A	DUR D	WEBSTER			
SIZE OF TEST SAMPLE				1							
HARDNESS / DUROMETER READII	VG										
	te	sters	located in	n the Qu	ality Offi	ce					
					ł						
QC 18 INSPECTION						ENGINEER	ING SIGNO	F (if required)			
A DA								( July 10 and 10			
INSPECTED BY: AT	39				SIG	NED OFF BY:					
DATE: (8/06/18)						DATE:					
Attach this inspection sheet with the	corre	spon	ding mate	rial cert	and remi	it to be scanned a	and received in				

BY APPROVED BRASS C360 ROUND BAR MT-BRASS-C360-R ECN# TOLERANCES PER MANUFACTURER SPECIFICATIONS DESCRIPTION WHERE D.DDD IS DIAMETER IN INCHES SPECIFICATION CONTROL DRAWING MT-BRASS-C360-R-[D.DDD] MT-BRASS-C360-R-0.250 REV. C360 BRASS ASTM B16 PURCHASE MATERIAL: SPECIFICATION: PART NUMBER: EXAMPLE:

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